



REPLACEMENT PAGE

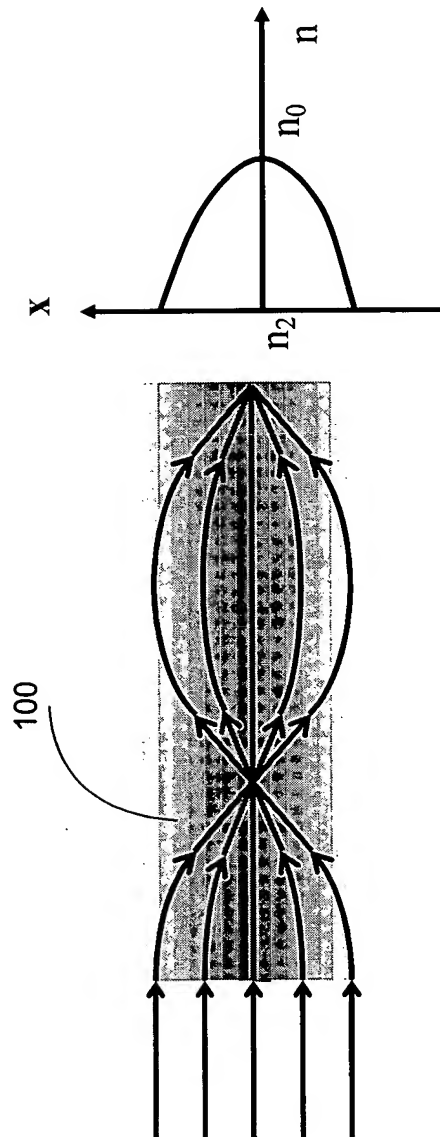
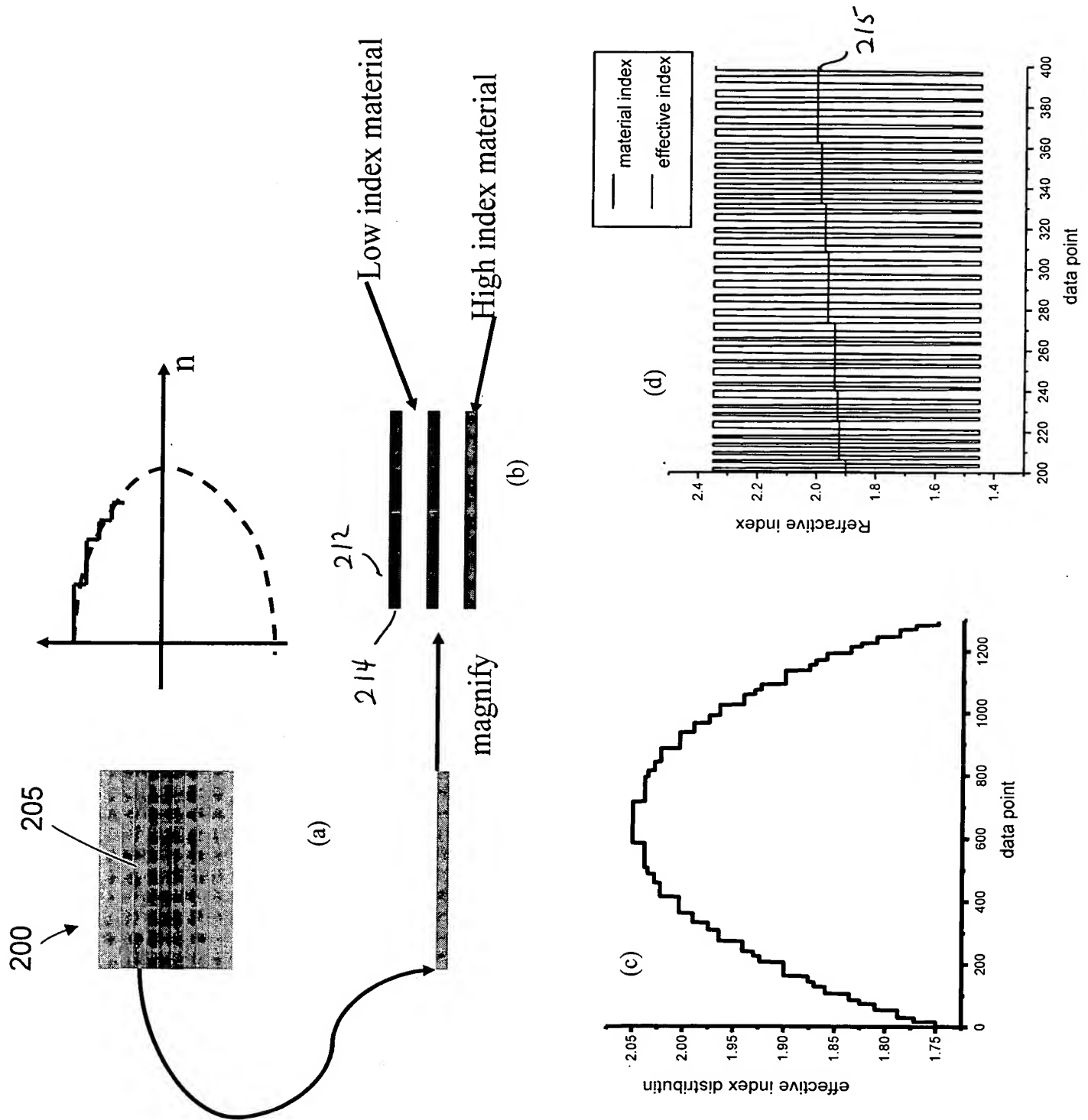


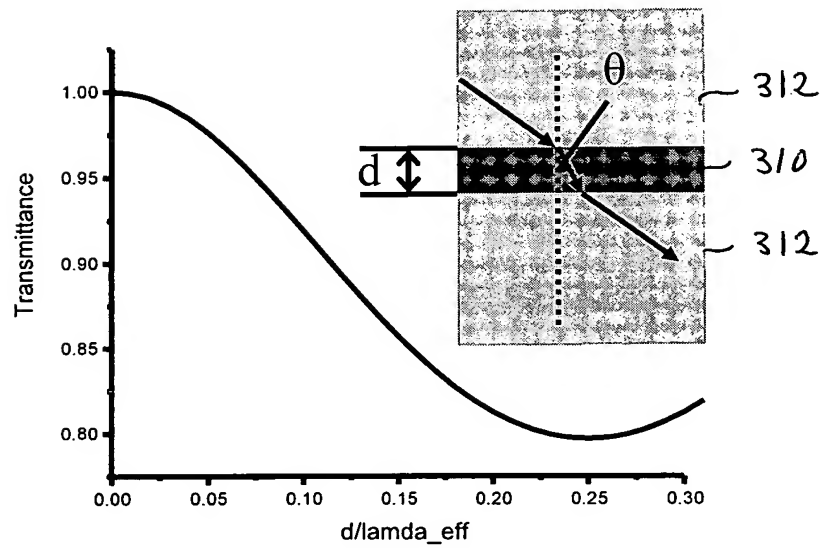
Fig. 1

REPLACEMENT PAGE



BEST AVAILABLE COPY

REPLACEMENT PAGE



Relationship of transmittance vs d/λ_{eff}

FIG. 3

REPLACEMENT PAGE

Multiple-step-index case

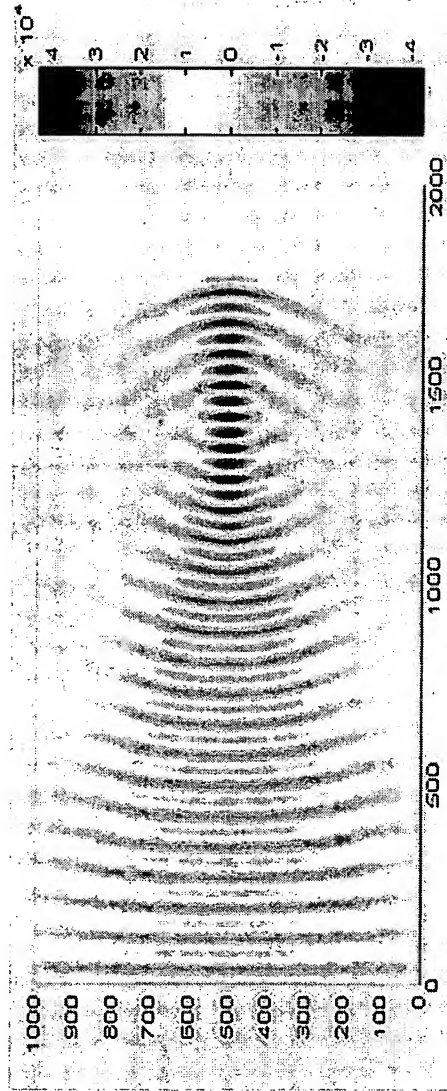
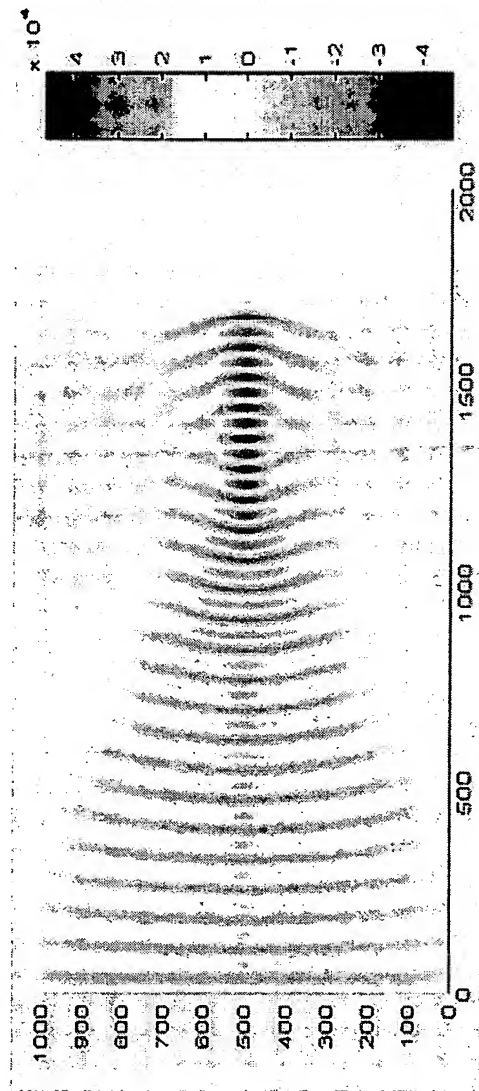
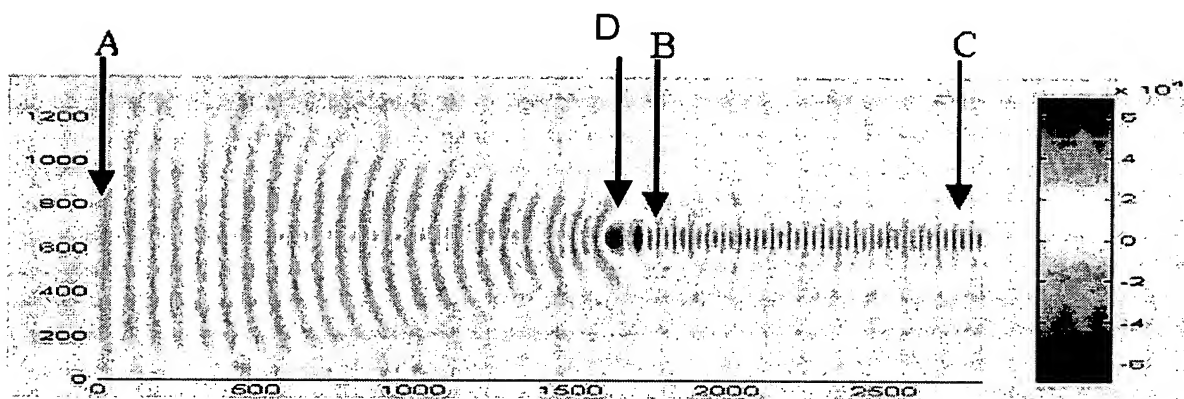


FIG. 4

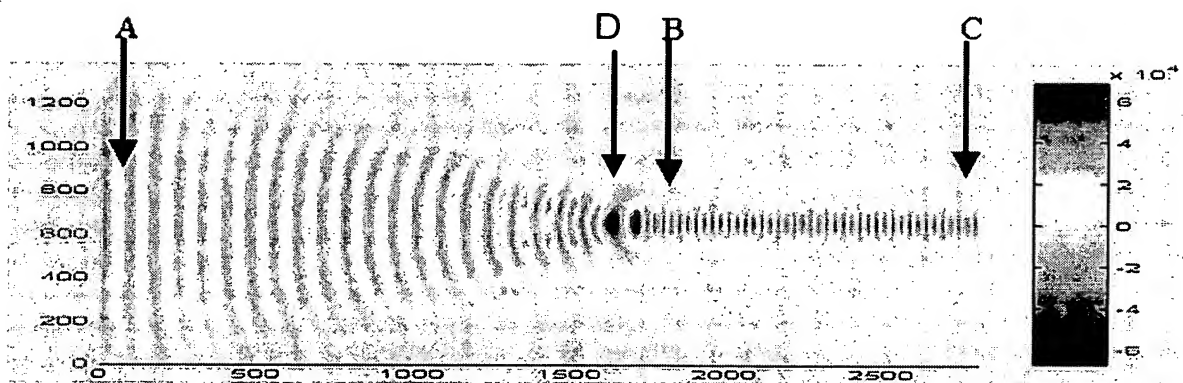
Two-material case



REPLACEMENT PAGE



(a) Two Material Case, with AR coatings, 1 μm air gap, focusing in air



(b) Multiple step index case, 1 μm air gap, AR coatings, focusing in air

FIG. 5

REPLACEMENT PAGE

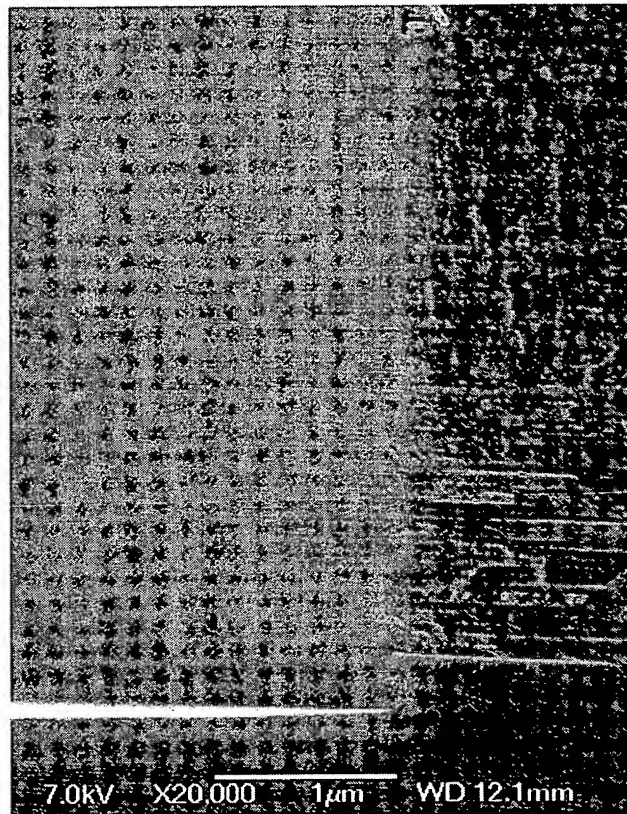


FIG. 6

© DataRay version 3.0.4% Recall [3.04%] = BeamTop - (Profile) - 15.90 mm diameter [3.04%] 10.2

File Device Hardware Palettes View Setup Options Average Filter Info Help

[Icons] U V 1 2 3 4 [Icons] [Icons] TA [Icons] [Icons] [Icons] [Icons] [Icons] [Icons] [Icons] [Icons] [Icons] [Icons] [Icons] [Icons]

[Clip(a)] = 60.0% R=500µm View = 172 : TIR = -34
 [Clip(b)] = 50.0%
 [Ready]
 [Xc(abs)] = 65.5 µm
 [Yc(abs)] = 168.4 µm
 [Ellipticity] = 0.10
 Zero: 'ZorA' [abs]

[2Wua] = 67.4 µm [2Wva] = 684.7 µm
 [2Wub] = 67.4 µm [2Wvb] = 684.7 µm
 Zoom = 2X Average of 40 Zoom = 2X Average of 40
 [Clip(a)] = 50.00% [Clip(d)] = 50.00%
 [Clip(c)] = 13.53% [Clip(c)] = 13.53%
 Scale = 200.0 µm/div 2plane = -11 µm Scale = 200.0 µm/div 2plane = 1 µm
 2Wc = 337.7 µm Ø = 45 2Wc = 1087.9 µm Ø = -44
 2Wd = 67.4 µm Peak = 80.3 % [base=11 %] 2Wd = 684.7 µm Peak = 21.4 % [base=11 %]
 Gain = 28 dB Gain = 34 dB

Displays Hidden plots (Y-axis width of clip 1, Left button sets limits, Right button opens menu,

[Start] [Icons] [Icons] [Icons] © DataRay version 3.0.4... [Icons] [Icons] [Icons] [Icons] 0:35 PM

QDotRay version 3.0.44, Recall [3.0.44] = BeamMap - C:\ray\c\1150020\3044\3044.ray

File Device Hardware Palettes View Setup Options Average Filter Info Help

U V 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Clip(a) = 13.53% R=500µm Y
Clip(b) = 50.00% X
Ready
Xc(abs.) = -140.9 µm
Yc(abs.) = 18.0 µm
Ellipticity = 1.00
Zero: ZorA' [abs]

View = 235 : Tilt = -25

2Wua = 248.5 µm 2Wva = 248.2 µm
2Wub = 140.2 µm 2Wvb = 141.6 µm
Zoom = 2X Average of 40 Zoom = 2X Average of 40
Clip(d) = 50.00% Clip(d) = 50.00%
Clip(e) = 13.53% Clip(e) = 13.53%
Scale = 200.0 µm/div zplane = -11 µm Scale = 200.0 µm/div zplane = 1 µm
XWd = 248.5 µm θ = 45° XWd = 248.2 µm θ = 44°
YWd = 140.2 µm Peak = 52.1 % [base=11 %] YWd = 141.6 µm Peak = 77.7 % [base=11 %]
Gain = 22 dB Gain = 32 dB

Displays Mode: 8Ks Use 40 Mesh at 60 I, Left button sets limits, Right button opens menu.

Start QDotRay version 3.0.1... 9:09 AM

BEST AVAILABLE COPY

REPLACEMENT PAGE

